

ENGINEERING INFORMATION MANAGEMENT, FROM CHAOS TO INSIGHT

Operators face mounting pressure to execute capital projects with greater efficiency, safety, and cost-effectiveness, while also consistently improving O&M performance and reducing expenses. Global supply chain bottlenecks, skilled worker shortages, modular construction, and constantly evolving regulatory requirements only add to this pressure.

While industry has made significant strides in advancing physical and process efficiencies, many readily attainable improvements have been realized. What remains is the opportunity to leverage information for enhancing project execution and driving ongoing operational performance.

To achieve this, it is critical to have well organized, accurate, and up-to-date information about the facilities being designed, constructed, operated, and maintained. Without this level of integrity, information chaos ensues.

CHAOS CAN OCCUR AT ANY STAGE OF AN ASSET'S LIFE CYCLE

- Project owners may prioritize expediency over information organization during asset design and construction, leading to poorly curated documentation.
- EPC teams typically disband when a project completes leaving the delivery of asset information as a lowpriority task, which leads to questionable accuracy and organization. The advent of digital deliverables, such as digital twins, exacerbates this concern.
- During commissioning and handover, asset information must be repurposed from supporting design/build processes to somewhat different O&M requirements aimed at facilitating efficient operations and MOC.
- Decades of normal maintenance, upgrade, and expansion activities tend to degrade the accuracy of asset information as it is touched by successive waves of overburdened operations resources.



WHAT WE DO

TAMING ENGINEERING INFORMATION CHAOS

A strong information foundation supplemented with effective governance is essential for project execution and O&M performance. Without it, ongoing operations can be challenging

without significant remediation, and achieving successful digitalization and analytics initiatives can become unattainable. In response to these needs, we offer services in six categories:

DIGITAL TWIN SUSTAINMENT

As a facility evolves due to ongoing O&M activities, its digital twin must also be updated to reflect these modifications, otherwise it quickly degrades and loses its ability to accurately model the asset. We work with your team to integrate changes to your digital twins and maintain their integrity.

CONTENT MIGRATION

Migrating facility content involves more than merely relocating files, it also includes preserving historical context such as revisions, comments, transmittals, and workflow histories, and requires stringent validation. We deliver migrations that are precise and reliable, and traceable.

ENGINEERING INFORMATION MANAGEMENT - EIM

Generated at enormous cost, engineering information is a valued asset that must be managed with the same rigor as the physical assets it describes. We work with you to govern it in a structured, programmatic way – we refer to it as an *EIM Program*.



EIM REMEDIATION

We diagnose and remediate situations caused by existing asset information that is disorganized or mismanaged, which renders it unreliable to support ongoing O&M processes such as MOC.

ENGINEERING DOCUMENT MANAGEMENT

In a greenfield scenario, or when an established solution is no longer effective, we work with you to select, implement, and configure document management/control systems, processes, and procedures that closely model your requirements.

DOCUMENT CONTROL AS A SERVICE

We treat information as a strategic asset by providing professional document control operations as a managed service, alleviating the burden from project controls and O&M management, and ensuring that foundational information is properly governed from day one.

WHAT YOU GET

TRANSFORMATIVE RESULTS

A PATH TO INSIGHT

Your information will become organized, governed, protected, and leveraged to produce predictions and recommendations for actionable insights.

MAXIMIZED VALUE

Similar to physical assets being deployed to maximize return on asset investment, our EIM services are tailored to maximize the ROI for your information assets.



WE CAN TAME YOUR CHAOS. FIND OUT HOW.